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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/792,336
Filing Date	March 3, 2004
First Named Inventor	Younglok Kim
Art Unit	2631
Examiner Name	Mohammed H. Ghayour
Attorney Docket Number	I-2-0181.2US

Total Number of Pages in This Submission

### ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Form PTO-1449 and one (1) reference
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	John C. Donch Jr.	Reg. No. 43,593
Signature		
Date	January 17, 2006	

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	John C. Donch Jr.		
Signature		Date	January 17, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## PATENT

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Younglok Kim

**Application No.:** 10/792,336

**Confirmation No.:** 4553

**Filed:** March 3, 2004

**For:** SIMPLIFIED BLOCK LINEAR  
EQUALIZER WITH BLOCK SPACE TIME  
TRANSMIT DIVERSITY

**Group:** 2631

**Examiner:** Mohammed H. Ghayour

**Our File:** I-2-0181.2US

**Date:** January 17, 2006

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (\*).

Pursuant to 37 C.F.R. §1.98(a)(2)(ii), copies of the cited U.S. publications and/or patent documents have not been included.

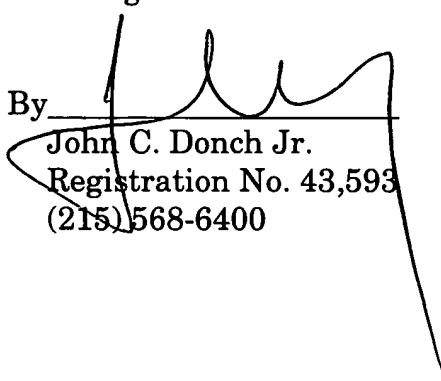
**Applicant:** Younglok Kim  
**Application No.:** 10/792,336

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

Younglok Kim

By

  
John C. Donch Jr.  
Registration No. 43,593  
(215) 568-6400

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

JCD/drj  
Enclosures (3)



FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)				ATTY. DOCKET NO. I-2-0181.2US		SERIAL NO. 10/792,336	
APPLICANT Younglok Kim							
FILING DATE March 3, 2004				GROUP 2631			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,307,851	10/2001	Jung et al.			
		6,408,022	06/2002	Fertner			
		0033614	10/2001	Hudson			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		1069707	07/1999	EP			
		0105060	01/2001	WO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		"Zero Forcing and Minimum Mean-Square-Error Equalization for Multiuser Detection in Code-Division Multiple-Access Channels", Klein A. et al., May 1996, pages 276-287					
		"A Generalized View On Multicarrier CDMA Mobile Radio Systems With Joint Detection (Part II)", Jung P. et al., November 1997, pages 270-275					
		"A novel and efficient solution to block-based joint-detection using approximate Cholesky factorization", Karimi H. R. et al., September 1998, pages 1340-1345					
		"Efficient multi-rate multi-user detection for the asynchronous WCDMA uplink", Karimi H. R., September 1999, pages 593-597					
		"Joint Detection with Low Computational Complexity for Hybrid TD-CDMA Systems", Benvenuto N. et al., September 1999, pages 618-622					
		S. M. Alamouti, "A simple transmit diversity technique for wireless communications," IEEE Journal of selected areas in communications, vol. 16, no.8, October 1998, pgs. 1451-1458					
		3GPP TS 25.221 v3.2.0 (2000-03), 3 <sup>rd</sup> Generation Partnership Project; Technical Specification Group Radio Access Network; Physical channels and mapping of transport channels onto physical channels (TDD) (Release 9).					
		"Transmit Diversity schemes for Broadcast channels of the TDD mode," TSG-RAN Working Group 1 Meeting #7, Hanover, Germany, Motorola					
		"Transmit Diversity scheme for Broadcast channels of the TDD mode (II)," TSG-RAN Working Group 1 Meeting #8, New York, USA, Motorola TI.					
	*	"IEEE Vehicular Technology Conferences, Vol. 1, Conf. 50, pp. 593-597, September 1999					

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.